

Claims

[c1] WHAT IS CLAIMED IS:

1. A fabric belt for a corrugated cardboard gluing machine, the fabric belt comprising:
a first fabric layer for receiving tensile forces, the first fabric layer comprised of warp threads and weft threads;
a second fabric layer covering the first fabric layer and comprised of warp threads and weft threads;
wherein the second fabric layer forms an upper paper side of the fabric belt;
wherein the first and second fabric layers are interwoven by binding threads;
wherein the fabric belt has drainage channels penetrating the fabric belt at least partially, wherein the drainage channels remove moisture from the second fabric layer and the upper paper side.

[c2] 2. The belt according to claim 1, wherein the drainage channels are openings formed in a woven fabric structure of the fabric belt.

[c3] 3. The belt according to claim 1, wherein the drainage channels are formed by providing at least one of a different thread thickness and a different thread structure

for at least some of the warp threads, the weft threads, and the binding threads.

- [c4] 4. The belt according to claim 1, wherein the drainage channels are formed by creating gaps in a woven fabric structure of the fabric belt by omitting threads in or adding threads to the woven fabric structure.
- [c5] 5. The belt according to claim 1, wherein at least one of the first and second fabric layers comprises individual threads made of a cavity-forming thread material forming cavities after a period of use of the fabric belt, wherein the cavities form the drainage channels.
- [c6] 6. The belt according to claim 5, wherein the thread material has a high starch contents.
- [c7] 7. The belt according to claim 6, wherein the thread material is starch.
- [c8] 8. The belt according to claim 5, wherein the thread material is comprised of hollow fibers.
- [c9] 9. The belt according to claim 5, wherein the individual threads comprised of the cavity-forming material form at least some of the warp threads, the weft threads, and the binding threads.
- [c10] 10. The belt according to claim 9, wherein the individual

threads are auxiliary threads.

- [c11] 11. The belt according to claim 1, wherein in the first thread layer the warp threads cross at least two of the weft threads and wherein in the second fabric layer the warp threads extend inwardly and outwardly across at least two of the weft threads, wherein in the first and second fabric layers the warp threads are arranged in repeating sets, respectively, wherein the warp threads within each one of the repeating sets are displaced relative to one another.
- [c12] 12. The belt according to claim 11, wherein the binding threads extend across one of the weft threads, respectively.
- [c13] 13. The belt according to claim 1, wherein the warp threads, the weft threads and the binding threads are plastic threads comprised of a mixture of approximately 65 % polyester and approximately 35 % viscose.
- [c14] 14. The belt according to claim 1, further comprising a thread material having a high temperature resistance woven into a woven fabric structure of the fabric belt.
- [c15] 15. The belt according to claim 14, wherein the thread material is selected from the group consisting of para aramids and Kevlar®.

[c16] 16. The belt according to claim 1, further comprising a third fabric layer arranged on a side of the first fabric layer opposite the second fabric layer, wherein the first, second, and third fabric layers are interwoven by the binding threads.